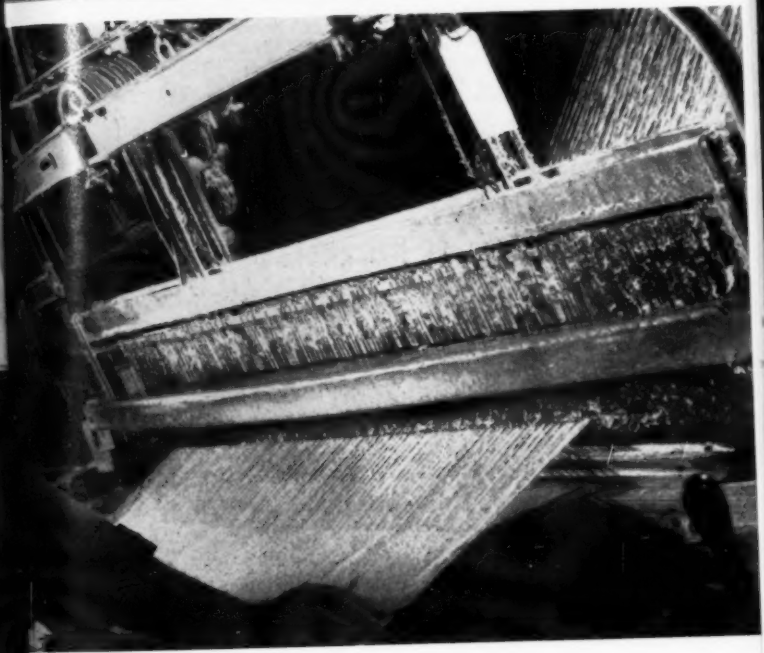
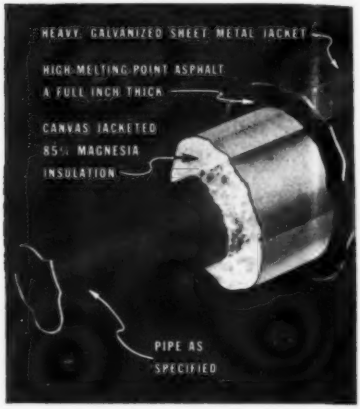
ASBESTOS



APRIL - 1948

Sectional view of Durant Insulated Pipe, showing construction features. Pipe, insulation and protection are factory-fabricated into units.



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MONTHLY SINCE THAT DATE
BY SECRETARIAL SERVICE
17th FLOOR INQUIRER BUILDING
PHILADELPHIA, 30, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*
A. S. ROSSITER, *Editor*
E. E. COX, *Circulation Manager*

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PEOPLE WE MEET.

Riding a commuters' train, we see day after day the same faces. With some of these people we develop a speaking acquaintance; with some we have a mere nodding acquaintance; we do not even know the names of most of them, and it is very rarely that we have any idea what their work might be.

How many people do you see every day, or several times a week, in the train, or bus or office building, whose names you do not know, even tho you may exchange a "Good Morning" with them?

Curious when we think of it! More often than not we have no idea what such casual acquaintances do, where they live, where they are employed.

A friend of mine, a woman, told me of a casual acquaintance she made merely thru seeing day by day and sitting beside her in the train. A remark as to the weather, or other prosaic subject developed into a sort of commuters' friendship. They found they had a common interest in books. For months, however, neither knew the other's name, and one day she was astounded to find that the woman, whom she had always thought a widow, had a husband.

Sometimes an acquaintance disappears for a time, and later, after several years perhaps, will again be casually met—each greeting the other like long lost friends, altho their names remain unknown. For others it is complete oblivion.

Every once in a while I encounter people in my own home town (a village really) whom I consider I know fairly well, but who, I find, are much surprised to hear that I edit a magazine altho they may have a vague idea that my line is Asbestos.

After all every person has their own interests and, generally speaking, are only interested in themselves. But if we had more temerity in asking what might be considered by some as personal questions, what interesting stories might be uncovered. As an old man of my acquaintance used to say "I am not curious but I just wanted to know" and he usually got the information he was seeking.

THE PHILIP CAREY MFG. COMPANY

A Brief History

Carey's Original Plant — 1873

The story of Carey growth is like many other American industrial success stories. But the small beginning of the company is worth looking into.

In 1873 Philip Carey, with $400.00 capital, founded the company that bears his name. In a tiny hamlet outside of Dayton, Ohio, this young Irish immigrant began experimenting with pipe coverings and prepared roofings.

From this humble beginning emerged the first Carey plant in Cincinnati and 1884 saw the first production of asbestos pipe covering. In successive developments the company was incorporated, purchased the Lockland plant site and in 1891 the plant was in operation. A disastrous fire and the founder's death at the turn of the century occurred at a time when the organization was entering an era of expansion.

Operation of the company's first machine for the making of asbestos products was started in 1902. Quantities of asbestos paper were turned out at a Massachusetts plant. The year 1907 marked the first installation of machinery in the original asbestos paper mill building at Cincinnati. In the meantime, Carey purchased a magnesia plant at Plymouth Meeting, Pennsylvania, and in 1915 all asbestos properties and mills of the Quebec Asbestos Corporation, East Broughton, P. Q., Canada. Asbestos mining operations were developed and subsequently a manufacturing unit for the production of asbestos paper and a line of asbestos

The Philip Carey Mfg. Company now has five plants located in the United States and Canada. The *airview of the Lockland, Ohio, plant above gives an idea of the growth of the Company in the 75 years* ***of its existence, the original plant being shown on page 3. The original capital was $400.00.***

THIS IS CAREY'S 75TH YEAR

serving home and industry

Since 1873 Carey has been manufacturing products of which asbestos is an integral part.

And Carey research is constantly working to make those products work better and to develop new products which will utilize the outstanding qualities of asbestos.

THE Carey LINE INCLUDES

Asbestos Corrugated Roofing and Siding
Asbestos Fibre and Specialties
Asbestos Flat Sheathing
Asbestos Heat Insulations and Cements
Asbestos Packing • Asbestos Roofing Felts
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THE PHILIP CAREY MANUFACTURING CO.
Cincinnati 15, Ohio

In Canada: **The Philip Carey Co., Ltd., 1557 MacKay Street, Montreal 1, P. Q.**

of its existence, the original plant being shown on page 3. The original capital was $500.00.

coverings and cements, was acquired at Lennoxville, Quebec.

Many new products were developed from the raw materials of asbestos, asphalt and magnesia. This product development went forward hand in hand with increased sales volume. To offer a more complete line of building materials, Miami Cabinet facilities for production of bathroom cabinets and accessories were bought at Middletown, Ohio. A plant to serve the eastern market was established in Perth Amboy, New Jersey, in 1942.

Immediately following the end of the war the company embarked on a twelve million dollar expansion program which is now nearing completion. Five new plants have been constructed—nine others completely modernized. Included is a large, modern addition to the Research Laboratory—the hub of Carey development. April of this year marks seventy-five years of continuous operation of the Philip Carey Manufacturing Company which today produces more than 800 products for home and industry.

BUILDING CONTRACTS INCREASE 28 PERCENT IN FIRST TWO MONTHS

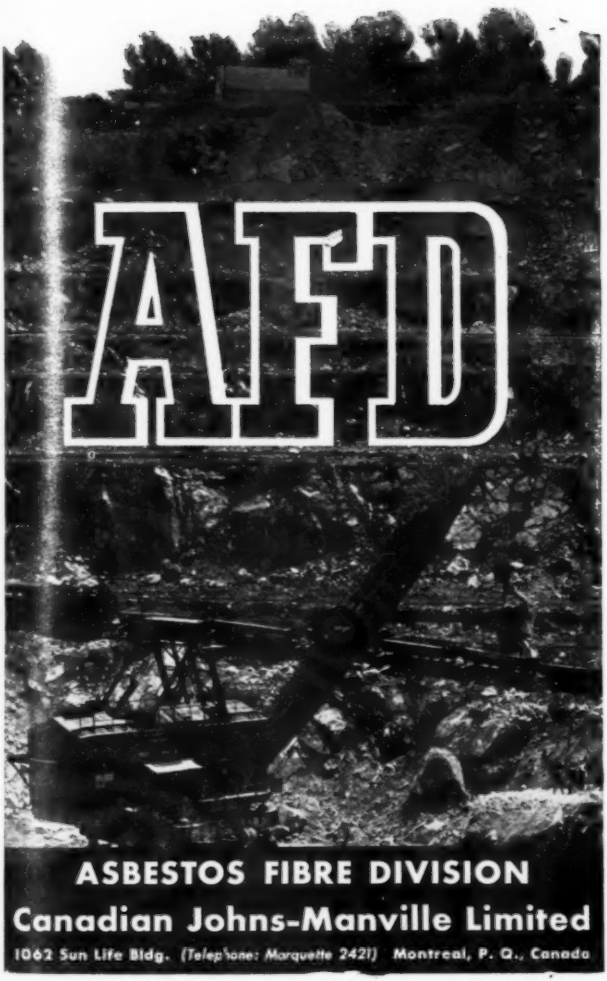
Contracts awarded for construction in the thirty-seven states east of the Rocky Mountains during the first two months of this year topped the dollar total of awards for the corresponding months of last year by 28 per cent, according to F. W. Dodge Corporation.

February's awards by dollar volume were 11 per cent greater than January's and 54 per cent greater than those of February of last year.

The dollar valuation of contracts awarded in the first two months of this year east of the Rockies was $1,297,173,000 distributed by the following classifications: nonresidential building $512,939,000; residential $470,348,000 and heavy engineering works $313,886,000.

• • • —

Good judgment comes from experience, and experience —well, that comes from poor judgment.—Simon Boliver Buckner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ASBESTOS AT CHATEAU-QUEYRAS, FRANCE

By Walter A. RuKeyser, B. Sc., E. M.[1]

Editor's Note: Thru the years various U. S. Government pamphlets have reported production[2] of asbestos in France, but nothing has ever been available about the deposits, not even their location. In this article Mr. RuKeyser has given detailed data on this deposit near Chateau-Queyras, which is now being developed by French and American capital. (See advertisement on page 20).

Location[3]

The asbestos deposits near Chateau-Queyras, France, were examined by the writer during August 1947. They are situated 12.6 km. by road from that small village in the Department of Hautes Alpes, France. It is 20 km. to the larger village of Guillestre, 2 km. beyond which, at Mont-Dauphin, is the terminus of a branch line of what was formerly the P. L. & M. Railway (now nationalized). The highway between them, tho narrow and winding, is hard surfaced. From Guillestre by road it is 34 km. to the important resort town of Briancon, which, in turn is on a main trunk-route leading into Italy. It is approximately 10 km. to the Italian border and 110 km. to Turin.

From Queyras to the few houses comprising Meyries there is a good country road which winds steeply up the mountain from the elevation of Queyras, 1349 meters above sea-level, to Meyries which is at an altitude of 1669 meters. This road is 3.3 km. long. From Meyries there is a fair mine road built by the former owner, 3.5 m. in width, which winds upward for a distance of 9.3 km. to the mines which are at an altitude of approximately 2500 m. and at the head of the "Grand Valley of the

[1]Consulting Engineer, New York City.

[2]Production has been reported as 450 tons in 1935, 405 tons in 1936, 250 tons in 1937, 450 tons in 1938, 1,016 tons in 1945, 587 tons in 1946. All tons metric.

[3]A meter (m) is equivalent to 39.37 inches; kilometer (km) to .62 of a mile.

– Henry G. Keasbey and Richard V. Mattison open a modest drug manufacturing business in Philadelphia. Basic ingredient: Magnesium Carbonate.

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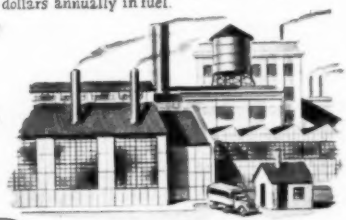

Further K&M research soon yields America's first *Asbestos* textiles in commercial quantities, America's first *Asbestos*-cement roofing shingles, and the first *Asbestos* Corrugated Sheets.

1948 – what started as a small drug business is today a leading factor in America's giant and strategic *Asbestos* Industry!

This year marks the 75th anniversary of the founding of Keasbey & Mattison Company—the pharmaceutical firm that branched out into one of America's primary producers of Asbestos and Magnesia products.

In celebration of the anniversary, K & M has prepared a brief, interesting history of the Company. We will be glad to send you a copy.

Nature made Asbestos . . .

Keasbey & Mattison has made it serve mankind since 1873

KEASBEY & MATTISON COMPANY · AMBLER · PENNSYLVANIA

Peas River." This so-called river is, in summer at least, a smallish brook. In dry weather it takes approximately 30 minutes by automobile to go from Guillestre to Chateau-Queyras, and 45 minutes by jeep from Queyras to the mine. These deposits lie within comparatively easy trucking distance from Grenoble, Lyon and Geneva. The nearest seaport is Marseilles, about 300 km. distant.

Geology.

Due to the considerable amount of work which has been done since the discovery of the deposits in 1929, by both the previous owner and the Occupation, coupled with the fact that there is little or no overburden and practically no vegetation covering the deposits, the

Open Pits — View taken from road leading from Chateau-Queyras

geology was readily accessible for study. In addition to the field-work, samples were submitted to Professor F. Fitz-Osborne, of the Department of Geology of McGill University for confirmation as to typing. In brief, it appears that the regional geology comprises the Alpine metamorphic complex, locally represented predominantly by acid schists. Included in this complex is a lenticular mass, several kilometers in length by a maximum

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2-½ in width, consisting of an originally ultra-basic igneous rock (probably peridotite). This basic intrusive has been altered to an extremely dense, tough, hard serpentine, dark green to almost black in color, which is to all practical purposes barren of asbestos.

At the mine elevation (2500 meters above sea level) included within what was originally the ultra-basic mass, is a comparatively flat-lying layer, possibly 40 meters in vertical extent, consisting of a second and noticeably different type of serpentine. Its characteristics and origin are obviously not the same as that derived from the peridotite. This serpentine carries the asbestos. It is comparatively soft, highly fractured and much lighter in color than the former. In addition to the alteration resulting from the stresses imposed upon it during previous rock movement, it shows a secondary alteration due to hydrothermal action.

It must be stressed that it is apparently this layer of light-green serpentine, and only this layer, which contains the asbestos. Within this type are inclusions of partially altered, reddish-colored rocks, some of which merge gradually into the serpentine and some of which have sharp boundaries with it. This partially altered rock proved to be remnants of dolomitic limestones. Hence, it has been concluded that the asbestos-bearing serpentine resulted, not from the alteration of an originally igneous rock, but rather, and quite probably as a hydrothermal alteration product of the dolomites which had been caught up as sedimentary fragments in the peridotite intrusion.

As is to be expected in this Alpine region, there is evidence of a strong fault-zone existing between the ultra-basic igneous rock and the meta-sediments. This fault-zone appears to have acted as a channel for the rising hydro-thermal solutions which asbestosized the soft, fractured serpentine, derived from the dolomites. On the other hand, the extremely hard, tough, dense serpentine, derived from the peridotite, did not lend itself to such secondary alteration. Apparently this is the rea-

The Castle and Village of Chateau-Queyras—taken from road leading to the mine

son for the localization of the deposits in the second type of serpentine.

In resume, the Queyras asbestos deposits appear to owe their origin to the following factors:

(a) An intrusion of ultra-basic igneous rock in the form of a fairly large lens of peridotite.

(b) The catching-up of residual sediments in this intrusive mass.

(c) Fracturing of all the formations and distortion resulting from mountain-making movements with accompanying alteration to two types of serpentine respectively.

(d) Faulting along a line of weakness near the lower contact of the former sediments and the ultra-basics.

(e) Asbestosization of the meta-sedimentary-serpentine by hot water solutions circulating along the fault, using the fault-zone as a channel of access and altering the rock mass where softer and more permeable.

(f) Possible subsequent distortion by Alpine movement of the entire series after crystallization of the asbestos.

Development and Workings.

The deposit has been developed by 3 side-hill open-cuts each developing a zone approximately 100 m. in length and, with the undeveloped zones separating them, forming a continuous ore-body some 400 m. long. They

cover a vertical range of something over 20 m. A great many exploratory openings also have been made and there remains one tunnel 24 m. in length extending into the mountainside the ground surface of which slopes at an average of 30 degrees. Measurements made in the field indicate that a total of some 14,000 to 15,000 tons of rock had been removed during former operations (1937-1946).

Coal, Power and Labor Available.

A fair grade of dryer coal is available at Briancon but energy will be supplied by a hydro-electric plant located at Aiguilles, (about 6 km. upstream from Chateau-Queyras on the Guil river) which has been purchased to service the proposed operation. The capacity is 200 KVA, the current generated 50 cycle 3 phase 220 V. It is proposed to step up the voltage to 2500 for transmission to the mine over an airline distance of 6 km.

Labor in this section of France is particularly plentiful due to its proximity to the Piedmont and the industrial sections of Northern Italy. France has treaties with Italy permitting the immigration into France of Italian labor for work within the border zones. The wage scale effective last August was at the rate of 750 francs per 10-hour working day, plus a 250 franc allowance for subsistence. It is not known to what extent the recent revaluation of the franc has affected the wage scale. Labor was found to be intelligent, willing and capable of being trained for skilled and semi-skilled jobs.

Types and Grades of Asbestos.

The asbestos of Chateau-Queyras consists mostly of tremolite, a variety higher in silica and lower in magnesia than the stronger and commercially more valuable chrysotile. However, in the opinion of the writer and others to whom the writer submitted samples, the tremolite apparently is a "bastard" variety often quite closely approaching chrysotile in physical characteristics. This appears to be noticeably the case the longer the fibre, (and particularly so with those of spinning lengths). However, it must be emphasized that all of the long fibre found in the deposits does not approach

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a true chrysotile in character nor can even be classified as a pseudo-chrysotile.

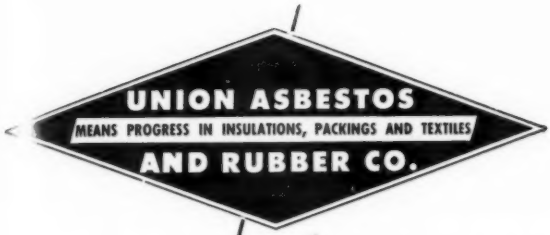
A study of the results from previous operations and of some shorter fibres produced from this mine, a few bags of which are still in storage at Chateau-Queyras, indicates that the production from this property can be used, in the longer grades, for spinning and quite probably as a direct substitute for chrysotile. It can undoubtedly be used for yarns and textiles if mixed with other fibres. The shorter grades can be utilized in the manufacture of paper and allied products and for most, if not all, purposes for which Canadian "shorts" and "floats" are used.

In the case of intermediate lengths, i. e., shingle stocks, altho the Queyras fibre does not seem to the writer to have sufficient strength to be used (in the American sense) by itself for the manufacture of asbestos-cement products (such as shingles, siding and pipe) in the present acute market these fibres should find ready purchasers even for such purposes.

"Rapport Sur la Nature et la Destination des Minerais d'Amiente Soumis pour Essais de Filature" (Report on the Character and End-uses of Asbestos, etc.) was made at Saclas the 6th of March, 1935, by the S. A. des Filatures de Saclas (textile spinners) using 400 kilograms of raw material from which 50 kg. samples were taken to establish a classification of the fibre. To summarize the report in question:

Three classifications of spinning fibre were extracted, of which the best quality constituted fibre 30 mm. (millimeters) or longer; a second quality, 15 to 30 mm. in length; and a third quality, 5 to 15 mm. in length. Respectively, of these three "qualities", there were produced 4 to 5%, 8 to 10%, and 10 to 12%—a total of 22 to 27% of the total fibre contained in the rock. The report classifies all three as suitable for spinning purposes.

In addition there is shown a fourth classification of fibre 25 to 30% in content which is stated to be suitable for "insulation", the making of asbestos paper and board. A fifth classification comprising 30 to 35%, falls under



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the category "shorts" to be used as filters, fillers, paint, plastics, etc.

Apparently no material equivalent to Quebec Standard Group 8S was considered, altho such material may have been included under the last classification.

The definite statement is made that the longer fibre when properly opened, cleaned and classified can be employed in spinning and presents no obstacles there to. "Properly treated", the report concludes, "it is believed that a thread perhaps of a caliber of 7/8 would be produced in the order of 10,000 to 12,000 m. per kg. and this without admixture of cotton."

Mill Tests.

Bulk samples of the rock were taken for mill-testing. These were shipped to the Ore Testing Laboratories at the Canadian Bureau of Mines, Ottawa. Samples were taken for type rather than for grade. They were tested using a gyratory crusher followed by a Symons disc, a shaking-screen equipped with air suction and a Sturtevant swing-hammer mill for subsequent fine-crushing stages. Results of the tests show that quite contrary to what was expected from visual analysis, even the rock rejected to waste by the former operators contained a surprisingly high proportion of long fibre. The milling tests further indicated that the asbestos in this rock is freed from the enclosing waste-rock much more easily and by much simpler methods of beneficiation than required in the Thetford district in Quebec. Thus the inherent character of the rock permits a quite simple method of fibre extraction which would result in considerably lower capital and operating costs.

Finally, tests run in Ottawa seem to indicate that practically all of the long fibre occurs as "free" and that fine-crushing was only required to liberate the shorter grades.

Production and Milling.

In conclusion, mine, crusher, dryer and mill plant are now being designed for the property by the writer.

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DRYCOR FELT COMPANY

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The new owners of the property are Guy H. Montmartin and associates, 535 Fifth Avenue, New York City. It is believed to be feasible to operate the plant a minimum of 250 days a year, but if spring freshet conditions do not stop transportation a longer working year may be expected. A minimum annual production of 1500 tons of all grades of fibres per year is anticipated. Mining will be by small power-shovel, blasting by utilizing 15 ft. down-holes spaced on 8 ft. centers over a face length of 100 m. Primary crushing will be by jaw-crusher; drying by rotary type, and milling by conventional methods, utilizing a Sturtevant swing-sledge mill in place of the more orthodox Thetford type "jumbo".

. . . —

Manners are like the cipher in arithmetic; they may not be much in themselves, but they are capable of adding a great deal to the value of everything else.

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MARKET CONDITIONS

GENERAL BUSINESS

Business is at present concerned over the soft coal strike, which not only tends to cut down steel production, but directly and indirectly affects various other industries, in some cases causing layoffs of large numbers of men, cutting freight haulage, and doing damage in many places not fully realized (yet) by the public. It is to be hoped that by the time this reaches our readers some settlement may be made, some agreement reached.

It is inevitable in this day and age that disruption of one industry by strikes or other factors, like the pebble thrown into a pool, causes waves and ripples which touch almost every phase of our economic structure.

Prices are also worrying business men. "After a long rise in prices, to levels which are historically very high, any turn in the markets may start a chain reaction" says the National City Bank letter for March.

ASBESTOS - RAW MATERIAL

"No letup in demand" says one of the large asbestos producers. Supply is very limited, especially grades 4 and 5 (mostly used in the manufacture of asbestos-cement products and asbestos paper and millboard) production of which is sold out for the balance of the year.

Many new inquiries, particularly from abroad, are being received, and unfortunately cannot be filled. As weather conditions improve however, production should be better in forthcoming months than it was during the first three months of the year.

ASBESTOS - MANUFACTURED GOODS

Asbestos Textiles. Comments on this market are varied and somewhat contradictory. "Demand continues strong, especially cloth and tapes" says one correspondent and goes on to state that deliveries are running up to 8 to 10 weeks. Another says that a lessening in demand for tapes is prevalent, but that they have a rather substantial backlog of orders for various types of Asbestos Cloth. While still another notes a definite slackening especially in the friction material line. Spinning grades of asbestos

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Bldg. 1, Atlas Terminal
Glendale 27, L. I.

SAN FRANCISCO, CALIF. .....LIPPINCOTT CO., INC.
461 Market Street

are still tight and this tends to make textile prices firm.

Brake Lining. Equipment sales are still higher than in 1947 but replacement sales are about 23% off from that year. It appears that replacement sales are approaching a more normal level as compared to war-time peaks. Material however is in much better supply.

Asbestos Paper. Demand for Asbestos Paper is still exceeding the supply. The market can absorb all the paper available and prospects continue to look favorable for the next (2nd) quarter. There is still a great demand for saturated asbestos felt in all sections of the country; demand far exceeds production.

Asbestos Millboard. The equipment market is still active and is absorbing a large part of the production. Regular commercial business thru jobbers is falling off somewhat.

Insulation. High Pressure. This market continues active. Shipments are running three to four months late, in some cases even longer. Application work by contractors as well as industrial buying, keeps demand high. A greater demand exists for sectional covering than for blocks.

Another firm notes that demand for this commodity, particularly from the oil industry and public utilities, is at its highest peacetime rate, and inventories are at very low levels.

Insulation. Low Pressure. "This market" says a correspondent, "has been dropping off during March and factories are looking for business. This condition is expected to be temporary however, with activity starting up again about the middle of April. Reason for the decline is not definite, unless overstocked inventories of jobbers on all lines with possibility of declining prices are causing conservative buying."

Asbestos-Cement Products. Altho there has been some slight seasonal letdown in the demand for asbestos-cement roofing and siding shingles in certain sections of the country where the winter has been exceptionally severe, there does not appear to be any basic change in the short-

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NORRISTOWN
MAGNESIA & ASBESTOS CO.

age of these products as compared with the demand. Despite the unusually severe winter, shipments during January, February and early March are considerably in excess of the same period last year, which shows some improvement in the productive capacity of the industry.

The supply of asbestos fibre, which is considerably less than world requirements, continues to be the determining factor in the overall situation on asbestos-cement products.

The above comments have been sent us by various executives in the Asbestos Industry, in close touch with the several fields. Comments are welcomed from any reader of our pages.

TOP-SIDE ROOFING FASTENERS

A K&M Development

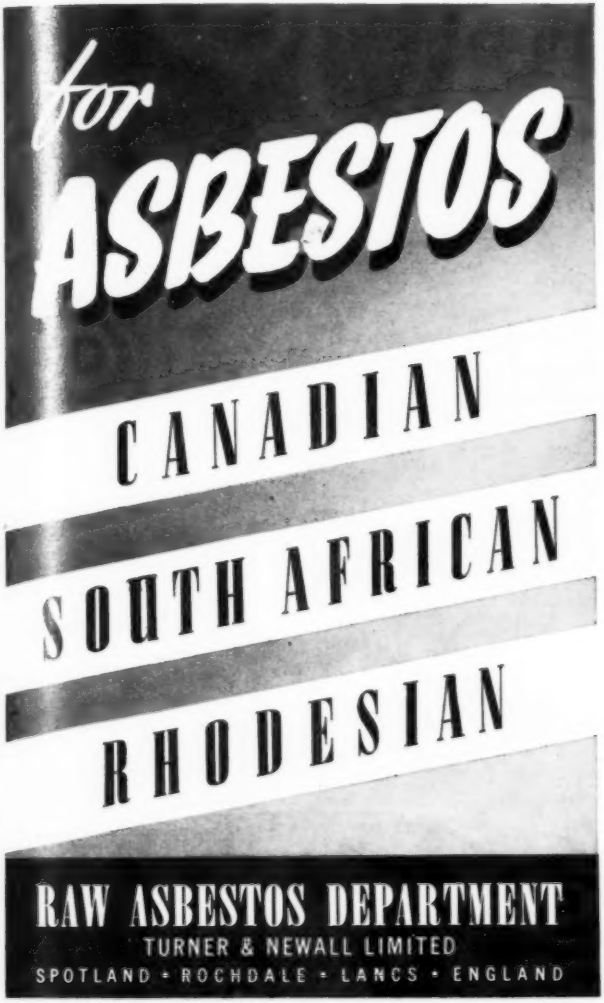
A new type fastener for Asbestos Cement Corrugated Roofing has recently been placed on the market by the Keasbey & Mattison Company and its representatives, and tests show that it will save builders one-fifth to one-half in erection costs.

The trade name is "Top-Side" Fasteners, so called

A Typical TOP-SIDE Fastener

because the economical feature provides that the entire installation can be completed from the roof surface. The expense of scaffolding and workmen beneath the roof are entirely eliminated. In addition, cementing bolt heads is not necessary because of lead covering tabs which permanently weatherproof each bolt.

Along with savings in installation, "Top-Side" Fasteners necessitate no extra tools except a speed wrench. And it is the only type fastener of its kind which provides the slight spring action necessary to overcome vibration in the frame. In other words there is no loss of structural stability.


for
ASBESTOS
CANADIAN
SOUTH AFRICAN
RHODESIAN
RAW ASBESTOS DEPARTMENT
TURNER & NEWALL LIMITED
SPOTLAND • ROCHDALE • LANCS • ENGLAND

W. A. RUKEYSER

His Work as Consulting Engineer Takes Him to Many Parts of the Globe

W. A. RuKeyser, will be remembered by our readers as having planned mines and mills in many asbestos producing centers. His report on the French asbestos deposits near Chateau Queyras appears elsewhere in this issue.

During the war Mr. RuKeyser served as Lieutenant Commander in the Civil Engineer Corps, on active duty since before Pearl Harbor. He returned to civil life in 1944, and was retained as associate by C. C. Morfit & Associates in the preparation of a report on the establishment of a coal, iron and steel industry for the Government of Peru. He wrote the coal mining, railway and harbor facilities reports for the Morfit Mission.

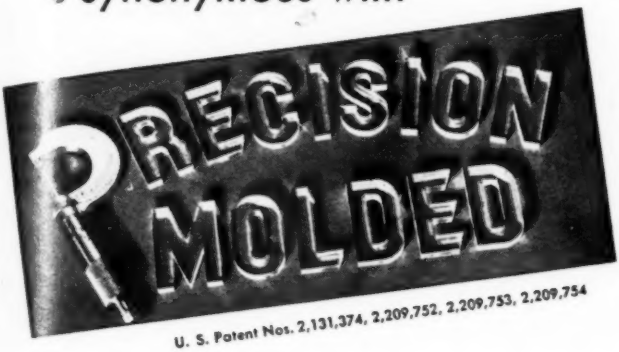
Then he joined Samuel Dolbear in the preparation of a bulletin for the State of California, and in the securing of an asbestos mine (near Thetford) for The Flintkote Company. The latter project required several months' work in checking the property and acquiring most of the machinery for the mill which was subsequently erected.

Next he was occupied in field examinations of gold prospects in the Yellowknife District, Northwest Territory and at Porcupine. Studies were made of gold properties in Alaska and lead-silver properties in Idaho. Subsequently considerable time was spent in Canada organizing and putting into effect an exploration program for gold properties in Northern Canada. Later he examined and reported on an asbestos property in Northern Mexico and ran bulk sample tests in a small pilot mill which had been built to his specification.

Reported and explored by diamond drilling and underground work an asbestos property adjacent to the Maple Leaf Mine at Thetford and laid out and supervised tentative flow-sheet and cost estimate for a plant proposed for this property. Reports and ore office studies were made for Johns-Manville, Philip Carey Co., Quebec Asbestos Cor-

LIGHT DENSITY TYPE HEAT INSULATION

is synonymous with



U. S. Patent Nos. 2,131,374, 2,209,752, 2,209,753, 2,209,754

PLANT RUBBER & ASBESTOS WORKS

Manufacturers of

Plant "Precision Molded" 85% Magnesia

GENERAL OFFICES:
SAN FRANCISCO 7

FACTORIES:
EMERYVILLE, SAN FRANCISCO, REDWOOD CITY • CALIFORNIA

PLANT ENGINEERING SERVICE UNITS IN PRINCIPAL CITIES

poration, Asbestos-Cement Associates, Potash Co. of America, and others.

Then came the work at Chateau Queyras, France, and immediately upon his return to the United States, he flew to Chile to conduct negotiations with the President of that country and other Government officials for Ventures Ltd. (Hoyle Mining Co., Ltd.)

At the present time Mr. RuKeyser is completing working drawings for a proposed mill at Chateau Queyras and doing consulting work for the Rio Blanco Copper Co. (Virginia) who own extensive copper deposits near Santiago, Chile.

Mr. RuKeyser enjoys his work, and no doubt his friends in the Asbestos Industry will be glad to know that he devotes a goodly portion of his time to Asbestos plans and problems.

AUTOMOBILE SALES

	February 1948
Passenger Cars	274,847
Motor Trucks	107,054
Motor Coaches	1,110
	383,011

January 1948 total sales were (revised) 405,651, while sales in February 1947 totalled 373,360.

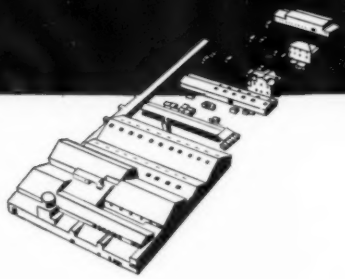
These figures cover only cars made in the United States.

(Figures supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Mich.)

Fine Asbestos Tapes and Sleevings
Light Weight Asbestos Cloth
ATLAS ASBESTOS COMPANY
North Wales • Pennsylvania

ASBESTONE
CORPORATION

Manufacturers
Asbestos-Cement
Building Products



FACTORY AND SALES OFFICE
5372 TCHOUPITOULAS ST., NEW ORLEANS, LA.

Imports into U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos—By Countries

	Year 1947 Tons (2240 lbs.)
From Canada	499,354
S. Rhodesia	7,968
Union of S. Africa	17,891
Mozambique	60
U. S. S. R.	4,887
Venezuela	1
Italy	8
Netherlands	938
	531,107
Value	$19,871,519

By Grades

Crude No. 1 (Chrys) Canada	150
Crude No. 1 (Chrys) S. Rhodesia	1,556
Crude No. 1 (Chrys) Mozambique	45
Crude No. 2 (Chrys) Canada	248
Crude No. 2 (Chrys) S. Rhodesia	3,595
Crude No. 2. (Chrys) Mozambique	15
Crude—Other (Chrys) Canada	44
Crude—Other (Chrys) S. Rhodesia	2,730
Crude—Other (Chrys) U. of S. Africa	1,234
Crude—Other (Chrys) U. S. S. R.	4,887
Crude—Other (Chrys) Netherlands	938
Crude—Other (Chrys) Italy	4
Crude (Blue)—U. of S. of Africa	7,010
Crude (Amosite) U. of S. Africa	9,644
Textile Fibres (Chrys) Canada	15,925
Textile Fibres—Italy	4
Textile Fibres (Chrys) S. Rhodesia	87
Textile Fibres (Chrys) Venezuela	1
Shingle Fibres (Chrys) Canada	70,671
Paper Fibres (Chrys) Canada	58,316
Fibres (Other—Short Grades) Canada	354,003
	531,107

ASBESTOS FIBRES, INC.

Announces a New Asbestos Plant for the Processing of all Types and Grades of Fibres.

New, Modern and Revolutionary Equipment, specializing in Dust-free, Shingle Grades of Asbestos Fibre.

Your inquiries are invited.
Immediate delivery.

●

Preparation Plant:
33 AVENUE P, NEWARK, N. J.

Main Office:
56 CRITTENDEN ST., NEWARK, N. J.

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos

	Year 1947 Tons (2240 lbs.)	Value
To Argentine	170	$ 11,288
Brazil	75	19,375
Chili	29	2,775
Columbia	87	10,448
Peru	59	6,454
Venezuela	500	102,642
Cuba	68	3,289
Bermuda	1	120
Guatamala	64	9,395
Curacao	29	1,860
Mexico	80	12,389
Belgium	65	2,504
Finland	2	320
Germany	68	7,886
Hungary	1	799
Italy	39	6,948
Netherlands	10	3,536
Norway	141	15,756
Portugal	83	34,702
Sweden	9	3,739
Switzerland	1	184
United Kingdom	25	7,408
Australia	5	3,000
Canada	19	4,949
Philippine Islands	224	30,845
India	9	3,803
	1,863	$316,414

Manufactured Asbestos Goods:

		Year 1947 Quantity	Value
Asbestos Paper, Mlbd. & Rlbd.	Lbs.	2,156,626	$ 272,823
Asbestos Pipe Covg. & Cement	Lbs.	5,529,605	510,887
Asbestos Textiles & Yarn	Lbs.	558,906	333,473
Asbestos Packing	Lbs.	3,643,201	2,288,582
Asbestos Brake Lng. (Mld.&S.Mld.)	Lbs.	3,308,517	2,907,716
Asbestos Brake Lng. (Woven)	L. Ft.	949,449	552,244
Asbestos Clutch Fcgs. (Mld.&S.Mld.)	No.	1,281,363	597,663
Asbestos Clutch Fcgs. (Woven)	No.	355,037	197,025
Asbestos Brake Blks. (Mld.&S.Mld.)	Lbs.	570,080	448,214
Asbestos Brake Blks. (Woven)	Lbs.	54,386	45,951
Asbestos Sheets	Lbs.	10,584,212	641,069
Asbestos Roofing	Sqs.	164,114	1,152,621
Other Asbestos Manufactures			1,186,845
			$11,135,113

ACE ASBESTOS MANUFACTURING CO.

Importers, Processors of Asbestos Fibres of All Varieties

of

RAW ASBESTOS

for

Every Use

●

CHRYSOTILE
AMOSITE
AMPHIBOLE FIBRES

originating in

U. S. A. (ARIZONA)
RUSSIA
CHINA
INDIA
RHODESIA
SOUTH AFRICA

●

Large Capacity Fiberizing and Grading Plant

451 Communipaw Ave. Jersey City, N. J.

PRODUCTION STATISTICS

Canada

(Department of Mines, Province of Quebec)

Tons — 2000 lbs.

January 1948	46,633 tons
January 1947	44,059 tons

Africa (S. Rhodesia)

(Rhodesia Chamber of Mines)

Production for December 1947	4,686.31 tons	(2000 lbs.)
Valued at	£148,562.	
Total production for the year 1947	53,894 tons	(2000 lbs.)
Valued at	£1,738,486.	

Africa (Swaziland)

Production for January 1948 ..... 2,500 tons (2000 lbs.)

Union of South Africa

(U. S. Mineral Trades Notes)

Tons — 2000 lbs.

	1st Nine Months 1947				
	Production	Local Sales		Exports	
	Tons	Tons	Value	Tons	Value
Amosite	12,618	722	£ 7,780	14,842	£310,722
Chrysotile	1,701	1,086	25,780	432	23,229
Cape Blue	648	88	1,876	684	23,282
Transvaal Blue	5,921	290	4,050	8,544	304,016
Anthophyllite	30	30	150	.....	.....
	20,918	2,216	£39,636	24,502	£661,249

MACHINERY

For making corrugated sheets and pressure pipes
Short term deliveries
Complete plants designed, equipped and started
DURITE TECNICO - Via Cavana 24, TRIESTE, ITALY
Cable address: Durite - Trieste

RUBBER CEMENT

For Asbestos Packings
RUBBER & ASBESTOS CORP.
25 CORNELISON AVENUE
JERSEY CITY 4, N. J.

PHILLIPS ASBESTOS MINES

Producers of

CRUDES

and

Fiberized Asbestos

The World's Finest Fibre

DRAWER 71 **GLOBE, ARIZONA**

Mines and Mills in Gila Co., Arizona

NEWS OF THE INDUSTRY

BIRTHDAYS

P. O. Baker, District Manager, Asbestos Textile & Packing Division, Raybestos-Manhattan, Inc., Providence, R. I., April 18.

Lorne Bain, President, Atlas Asbestos Company Ltd., Montreal, P. Q., Canada, April 19.

Alvan D. Simpson, President, Asbestos Erectors, Inc., Bound Brook, N. J., April 19.

George A. MacLellan, Managing Director, George MacLellan & Co., Glasgow, Scotland, April 19.

H. H. Robertson, President, H. H. Robertson Co., Pittsburgh, Pa., April 21.

H. J. Dowd, Vice President, Asbestos Limited, Inc., Millington, N. J., April 22.

Howard C. Josephson, General Sales Manager, Greene, Tweed & Co., North Wales, Pa., April 23.

J. Carroll Johnson, President & Treasurer, Atlas Asbestos Co., North Wales, Pa., April 28.

Clare S. Jamar, Vice President, Walker-Jamar Co., Duluth, Minn., April 29.

Merlin W. Simon, Secretary, Sprinkmann Sons Corp., Milwaukee, Wis., April 30.

Donald H. Spicer, General Manager and Director, World Bestos Corporation, New Castle, Ind., April 30.

Richard H. Jaffer, York Insulation Co., Inc., Hillside, N. J., May 1.

George S. Fabel, President, Southern Asbestos Co., Charlotte, N. C., May 7.

Robert B. Davis, General Manager, Raybestos Division, Bridgeport, Conn., May 8.

C. G. Dandrow, Vice President, Johns-Manville Sales Corp., New York City, May 12.

L. M. Cassidy, Vice President, Johns-Manville Corp., New York City, May 13.

Eric W. Hammarstrom, Sales Manager, Philip Carey Co., Ltd., Montreal, P. Q., Canada, May 14.

H. Whittaker, Director, Cape Asbestos Co., Ltd., London, England, May 14.

A. M. Ehret, Sr., Chairman, Ehret Magnesia Mfg. Co., Valley Forge, Pa., May 15.

Sumner Simpson, Chairman, Raybestos-Manhattan, Inc., Bridgeport, Conn., May 17.

To all these gentlemen we extend congratulations and best wishes on the occasion of their birthdays.

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES
Unexcelled for use in
ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia Insulation

The CAPE ASBESTOS CO. Limited

Morley House, 28-30 Holborn Viaduct, London, E.C.1.
FACTORY, BARKING, ESSEX

United States Sales Agent:

ARNOLD W. KOEHLER

415 LEXINGTON AVE. **NEW YORK CITY**
TELEPHONE—VANDERBILT 6-1477

RAW ASBESTOS DISTRIBUTORS LIMITED

The business of the above company, a subsidiary of Turner & Newall Limited of Rochdale, England, has been merged in the parent company and the activities hitherto performed by Raw Asbestos Distributors Limited will be carried on as from April 1st by Turner & Newall Limited itself thru its Raw Asbestos Department. The change is purely one of name and in no way interrupts the transaction of business

The Turner & Newall Limited organization operates the Bell Asbestos Mine in Canada, the Shabanie and Gath's Mines in Southern Rhodesia and the Havelock Mine in Swaziland. Raw Asbestos Fibre from those mines will be distributed under the familiar marks—Bells's, C&G (Shabanie), VRA (Gath's), and HVL (Havelock)—by the Raw Asbestos Department of Turner & Newall Limited, from Rochdale, England (Cable address: Vulbeston, Rochdale). Sole marketing agents in Canada and the United States remain Bell Asbestos Mines Limited, Thetford Mines, Quebec, Canada.

ASBESTOS CEMENT MATERIALS IN FARM BUILDING

Agricultural Engineering in its January number published an interesting article with the above title, written by M. V. Engelbach of The Ruberoid Co. Readers will recall that Mr. Engelbach has written articles for "ASBESTOS" on two different occasions.—"Better Farm Buildings" in our March 1947 number, and "Miracle Board" in December of the same year.

PHILIP CAREY MFG. COMPANY—Changes in Officials

A. C. Howard has been elected a Director and assistant to the President. Mr. Howard was formerly affiliated with Eversharp, Inc., as Vice President in charge of manufacturing.

C. A. Lambie, Sr. is retiring as Executive Vice President, and has been elected to the Board. Mr. Lambie has been active with the company for nine years and will continue in an advisory capacity.

E. J. Fasold, who previously held the post of Assistant Secretary, was elected Secretary.

C. A. Lambie, Jr., was elected Assistant Treasurer, and will continue also as Assistant Controller and Credit Manager.

The present officers of Carey are as follows: G. A. Rentschler, Chairman of the Board; R. S. King, President; H. R. Barrett, Vice President and Controller; C. B. Pooler, Vice President in charge of manufacturing; E. W. Smith, Vice President in charge of sales; W. L. Steffens, Vice President; A. C. Howard, Assistant to the President; E. J. Fasold, Secretary; S. E. Breuleux, Treasurer and Assistant Secretary, and C. A. Lambie, Jr., Assistant Treasurer.

F. A. MILLER HEADS R-M NEW SALES PLANNING DEPARTMENT

Franklin A. Miller, Sales Manager for Grey-Rock products of the U. S. Asbestos Division of Raybestos-Manhattan, Inc., has been appointed head of the corporation's new Department of Sales Planning.

As Director of Sales Planning, Mr. Miller will supervise merchandising, market research, advertising, publicity, public relations and sales policies for the corporation's several divisions on their automotive, asbestos and rubber products.

F. A. Miller

Mr. Miller, and his staff, will have headquarters at the corporation's New York Offices at 120 Broadway, where he will be assisted by J. W. Brush, Jr., present merchandising manager of the Raybestos Division.

Mr. Miller, for 15 years sales manager for Grey-Rock products, was in the advertising business before he became associated with Raybestos-Manhattan. For a number of years he was with Chilton and later with McGraw Hill; he served on various Merchandising committees of the National Standard Parts Association, of which he is a past Director, and the Brake Lining Manufacturers Association and is a present Director of the Motor and Equipment Manufacturers Association.

STOLZBURG ASBESTOS CO.

The new plant at the mine of Stolzburg Asbestos Co., Badplaats, Transvaal, Africa, has been installed with the exception of the dryers, according to the South African Mining & Engineering Journal, and the dryers will be completed shortly. Production has been resumed on a basis of approximately five tons per day and will be increased gradually to the full capacity of the plant.

H. F. GROENDYK—Manhattan Product Sales Director

H. F. Groendyk has been appointed Director of Product Sales of Manhattan Rubber Division, Raybestos-Manhattan, Inc., at Passaic, N. J. Mr. Groendyk was formerly manager of the Division's Automotive, Agricultural and Aviation Department. He started with Manhattan 35 years ago, having served in various capacities.

JAMES A. WHEATLEY, JR.—Sales Manager For Grey-Rock Products

James A. Wheatley, Jr., has been appointed to succeed Franklin A. Miller, as Sales Manager for Grey-Rock Products at Manheim. For the past 13 years he has been district manager for the U. S. Asbestos Division of Raybestos-Manhattan, his headquarters having been in Chicago.

THE PHILIP CAREY MFG. CO — Annual Report

The company reports net profits for 1947 of $2,806,692. equal to $3.41 per share on the Common Stock; compared with $2,149,411 in 1946, or $2.58 per share.

Sales amounted to $41,567,101 in 1947, compared with $40,340,679 in 1946.

Detailed figures follow:

	Year 1947
Net Sales (Lesher Div.[1] at Hamilton, Ohio, was sold Oct. 1, 1947; Sales of this Division were therefore $4,315,000 less in 1947 than during the previous year	$41,567,101
Mfg. Cost, selling and adm. exp.	36,874,771
Profit from Operations	4,692,330
Other Income	
Int., rents, royalties, etc.	62,182
Net profit from sales of property	28,214
Gain from foreign exchange	17,025
Miscellaneous	4,366
Gross Income	4,804,317
Less interest on debentures, provision for employees' pension trust, etc.	274,976
Net Income before taxes	4,529,341
Provision for Federal, State and Canadian Taxes	1,722,649
Net Income for Year	$ 2,806,692

[1]Manufacturers of wiping rags—sold because operation was foreign to Carey's regular business. In 1946 its sales amounted to $7,750,000.

INSULATION—the logical medium to reach insulation contractors with your salesmessages.

CANTOR PUBLISHING CO.
45 W. 45th St. New York 19, N. Y.

INDUSTRIAL SERVICE COMPANY

Builders of

ASBESTOS CEMENT MACHINERY

Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.

Your Inquiries Are Invited

1-51 Paterson Avenue E. Rutherford, N. J.

ASBESTON*

Light-weight · High-strength · Low-gauge
Asbestos Fabrics — Asbestos Tape

Textile Division

UNITED STATES RUBBER COMPANY

1230 AVENUE OF THE AMERICAS, NEW YORK 20, N. Y.

*Reg. U. S. Pat. Off.

TEST

. . . the added sales volume awaiting you among the nation's roofing and siding contractors. Write to . . .

AMERICAN ROOFER and SIDING CONTRACTOR
425 Fourth Avenue, New York City

RAYBESTOS-MANHATTAN, INC.—Official Changes

At the annual meeting of the Board of Directors of Raybestos-Manhattan, Inc., held on April 6th, directly after the meeting of Stockholders, *Sumner Simpson*, formerly President, was elected Chairman of the Board, an office which has remained unfilled since the death of Colonel Arthur Farragut Townsend, in 1940.

J. F. D. Rohrbach, formerly executive vice president and treasurer, was elected President, succeeding Mr. Simpson.

W. H. Dunn became Treasurer—he was formerly Comptroller.

W. W. Kievit, formerly Secretary, is now Secretary and Comptroller.

Newly elected to the Board of Directors are *George W. Marshall, Jr.*, General Sales Manager of the Asbestos Products Division, and *W. S. Simpson*.

NEW ASBESTOS TEXTILE BROCHURE

"Johns-Manville Asbestos Textiles" is the title of a new 16-page brochure just publishd by Johns-Manville Corporation. The brochure is printed in two colors and contains 26 photographs which show asbestos mining operations, carding and spinning machines and the various J-M Asbestos Textile Products.

The opening paragraphs of the brochure list many of the countless uses for asbestos textiles in industry and in the home, and point out the fact that new uses and applications for these versatile products are being discovered and developed every day.

For copies of this new brochure write Johns-Manville, Box 290, New York 16, N. Y., and ask for form SP-7A.

TIET—Coating for Insulation

Reardon Industries, 2837 Stanton Ave., Walnut Hills, Cincinnati 6, Ohio, announces the development of an elastic, acid resistant and water repellent coating for insulation.

The material is known as *Tiet* and fills a long existing need to make insulation resistant to acid and water. It is applied with a brush and is easy to use.

A. ARTHUR HALLE, JR.—Secretary Unarco

At a meeting of the Board of Directors of the Union Asbestos and Rubber Company, A. Arthur Halle, Jr., was elected Secretary of the company to replace Stephen S. Steel, who resigned.

Mr. Halle's headquarters will be at the executive offices of the Company in Chicago.

RAYBESTOS-MANHATTAN, Inc.—Annual Report

Annual report of Raybestos-Manhattan, Inc., for 1947, issued under date of March 10, shows net income of $2,335,755, or $3.72 per share of capital stock outstanding, compared with $1,651,187 or $2.63 per share in 1946.

Comparative figures for 1947 and 1946 follows:

	1947	1946
Net sales	$58,308,929	$51,985,801
Manufacturing cost of sales	45,923,414	40,728,166
Gross profit	12,385,515	11,257,635
Selling, administrative and general expense	7,814,960	7,401,029
Profit from operations	4,570,555	3,856,606
Other income—discount, interest, dividends and sundry	393,692	384,342
Total income before taxes and contingencies	$ 4,964,247	$ 4,240,948
Taxes—State, Federal	2,003,492	1,714,760
Reserve against decline in inventory	625,000	875,000
Net income transferred to surplus	$ 2,335,755	$ 1,651,187

The company now has 7600 employees and 5100 stockholders.

UNION ASBESTOS & RUBBER CO.—Annual Report

Union Asbestos & Rubber Company's consolidated earnings for 1947 were $1,223,417.97. This is more than double the 1946 net income of $532,351.72.

Earnings per common share for 1947 were $2.47 on the 495,376 shares now outstanding, comparing with $1.12 a share earned in 1946 on the 475,376 shares then outstanding.

Net sales were the largest of any peacetime year in the history of the company.

Dividends declared during 1947 amounted to $1.20 a share which included an extra dividend of 50c. During 1946, dividends of 70c a share were declared.

Additions to buildings and equipment at the Blue Island steel fabricating plant of the company were completed and put into operation during 1947. An addition to the Marshville, N. C., plant of the company's Carolina Asbestos Division is under construction, and is expected to be in operation in the near future.

PALESTINE ASBESTOS SHEET FACTORY

A new asbestos sheet factory has been set up by the firm of "Olamith" at Petah Tikva, near Tel-Aviv, Palestine, according to the Mining Journal published in London. The plant is to turn out 13,000 sq. meters daily, and will later produce pipes of various sizes. Necessary machinery has been imported from Italy and 1,000 tons of raw asbestos are to be imported monthly from Cyprus.

A. S. T. M. COMMITTEE C-17—Asbestos Cement Products

During the Washington meetings of Committee C-17 on Asbestos Cement Products, as part of A. S. T. M. Committee Week, the Subcommittee on Methods of Test reported progress in the consideration of four test methods covering roofing shingles, siding shingles, corrugated board and flat sheets respectively. It is expected that definite recommendations covering these test methods will be made at the time of next meeting.

The Subcommittee on Specifications reported that it will synchronize its activities with that of the Subcommittee on Test Methods and their intention will be to coordinate Federal and A. S. T. M. specifications. Some review was conducted on the Federal specifications covering siding and flat board specifically.

As a result of discussion, a special study group was authorized to review the need for activities on significance of tests.

The Chairman of the Committee is D. E. Parsons of the National Bureau of Standards, at Washington.

BOOK LIST

Asbestos Mining Methods. By C. V. Smith. (Reprint) 16 pages. 25c per copy, discount in quantities of 50 or more.

Milling Asbestos. By J. C. Kelleher. (Reprint) 16 pages. Companion article to Asbestos Mining Methods. Both should be in every Asbestos Library, 25c per copy, discount in quantities of 50 or more.

Recovery of Raw Asbestos. By Roland Starkey. (Reprint) 6 pages. Supplement to Milling Asbestos. 25c per copy, discount in quantities of 50 or more.

The Asbestos Factbook, 16 pages. Information in compact form on origin, facts, locations, uses, analyses, qualities, 10c

Canadian Chrysotile Asbestos Classification. Including latest Quebec Testing Method. 30c.

Twelve Estimating Tables, with Chart. Convenient in figuring flange fittings and other areas. $1.00 per set.

Manual of Unit Prices (for figuring pipe covering and blocks) 35c per copy postpaid.

Processing Asbestos Fibres. 8 pages. (Reprint) 25c per copy

Tests for Cotton Content. 4 pages (Reprint) Describing several methods of testing asbestos textiles for cotton content. 10c per copy.

Chart—Dollars Cost of Uninsulated Pipe. (Reprint) 25c each

Asbestos: A Magic Mineral, by Lilian Holmes Strack. Written for school children but should be in every Asbestos library. $1.00 per copy.

Asbestos—The Silk of the Mineral Kingdom, by Oliver Bowles. 40 pages about asbestos, from mine to finished product, in plain language, illustrated, 25c a copy.

Order any of the above from "ASBESTOS", 17th Fl., Inquirer Bldg., Philadelphia 30, Pa. Postage stamps acceptable for amounts less than $1.00.

AFTERTHOUGHTS

¶ We understand the Asbestone Corporation is making asbestos roof shingles in colors again. During the war they made only flat and corrugated board and siding shingles.

¶ Price of current (this year) single copies of "ASBESTOS" remains 25c but when older copies are wanted, they will cost 35c each.

¶ No Patents this month! Perhaps during the war years asbestos firms were too busy to work out new or improved products and send in applications for patents. Whatever the reason, altho we searched the Official Patent Gazette diligently, no patents concerning asbestos products could be found in the issues after February 17th. Better luck next month we hope.

¶ Lots of News this month—that's the way we like it.

¶ The Packaging Exposition will be held April 26th to 30th in Cleveland. The slogan of "Packaging Week" will be "Proper Packaging Protects the Product and the Purchaser."

¶ Asbestos impregnated paper sacks are being used to ship cement to Venezuela—claimed to reduce deterioration of the cement resulting from the excessive humidity of the climate in that country, supplemented by the long boat trip.

WANTED
Corrugator for Asbestos Paper.
To corrugate 36" wide paper to ¼" corrugations. New or used in good condition. Write giving all details. Must have good delivery.
Lynch Asbestos Co., 2152 Sacramento St., Los Angeles 21, Calif.

CURRENT RANGE OF PRICE

As of April 10, 1948

Canadian—	**Per Ton (2000 lbs.) f.o.b. Mine**
Group No. 1 (Crude No. 1)	$896.00 to $960.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	350.00 to 545.00
Group No. 3 (Spinning or Textile Fibre)	204.50 to 378.00
Group No. 4 (Shingle Fibre)	84.50 to 128.00
Group No. 5 (Paper Fibre)	69.50 to 78.00
Group No. 6 (Waste, Stucco or Plaster)	47.00 to 51.50
Group No. 7 (Refuse or Shorts)	24.50 to 46.00

Vermont—

Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville, Vt.

Group No. 4 (Shingle Fibre)	$97.00 to $107.00
Group No. 5 (Paper Fibre)	68.50 to 85.00
Group No 6 (Waste, Stucco or Plaster)	51.00
Group No. 7 (Refuse or Shorts)	25.50 to 46.50

Note: Crude Run-of-Mine (Canadian) refers to a crude asbestos produced in certain mines where Crude Fibre is not graded into regular No. 1 and 2 Crude. Crude Sundry refers to certain odd lots of off material which do not conform to the regular standards of No. 1 Crude or No. 2 Crude.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the Commercial and Financial Chronicle. No guarantee made as to their correctness).

		March 1948		
	Par	Low	High	Last
Armstrong Cork Co. (Com.)	np	46¼	50¾	49½
Armstrong Cork Co. (Pfd.)	np	91	94½	93⅝
Asbestos Corp. (Com.)	np	24½	26¼	26¼
Asbestos Mfg. Co. (Com.)	1	1⅝	1⅞	1⅞
Celotex (Com.)	np	23	26	25¾
Celotex (Pfd.)	20	18¼	20	19⅞
Certainteed (Com.)	1	13¾	15⅝	15½
Flintkote (Com.)	np	31½	36⅜	36⅜
Flintkote (Pfd.)	np	97	100½	99
Johns-Manville (Com.)	np	34¼	40⅛	40⅛
Johns-Manville (Pfd.)	100	103	110	110
Paraffine Cos. (Com.)	np	22	25	25
Paraffine Cos. (Pfd.)	100	99	104	103½
Raybestos-Manhattan (Com.)	np	28½	30¼	29½
Ruberoid (Com.)	np	55	60	60
Thermoid (Com.)	1	8	8⅞	8⅜
Thermoid (Pfd.)	50	43	46	44
Union Asb. & Rubber (Com.)	5	9⅞	12⅜	12⅜
U. S. Gypsum (Com.)	20	94¼	101	100
U. S. Gypsum (Pfd.)	100	171½	175	175
U. S. Rubber (Com.)	10	38½	42¾	42¾
U. S. Rubber (Pfd.)	100	123	131½	127

PLAYING WITH FIRE

For many years Raybestos-Manhattan has specialized in developing asbestos cloths . . . in a variety of weaves—plain, herringbone or twill; in a range of widths from narrow tape to broad fabric; from a mere .015" to 3/8" thick. These fabrics help industry to handle hot materials. In theatre curtains, laundry mangles, safety clothing, welders' booths, wherever men play with fire, you'll find R/M asbestos cloths doing a specialized job.

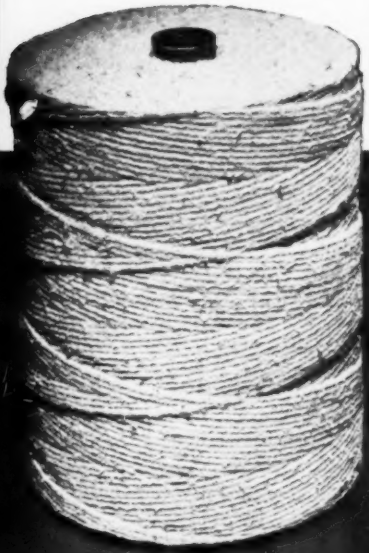
RM

RAYBESTOS - MANHATTAN, INC.

ASBESTOS TEXTILE & PACKING DIVISION

MANHEIM, PA. NORTH CHARLESTON, S. C.

SOUTHERN ASBESTO



YARNS

Southern produces fine and heavy Asbestos Yarns in various grades of tensile strength and uniformity. Whatever their use, Southern Asbestos Yarns maintain high quality standards. High tenacity Asbestos Yarns are a Southern specialty. Yarns may be treated with various compounds for a wide range of uses. Write for Folder No. 1011.

A COMPLETE LINE OF ASBESTOS TEXTILE PRODU

THREAD • CORD • CLOTH • ROPE
ROVING • TUBING
CARDED FIBRE • LISTING TAPE
WICKING AND OIL BURNER WICK

Southern's technical and production facilities are available to develop new and improve old uses for asbestos fibres and textiles. Over 25 years of combined specialized experience is at your service.

SOUTHERN ASBESTOS COMPANY • CHARLOTTE 1, N.